

## EAST Search History

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| L2    | 210  | ("chip select" same (memory adj mapp\$3)) and @ad<"19980918"              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/03/12 07:00 |
| L3    | 108  | ("chip select" same (memory adj mapp\$2 )) and @ad<"19980918"             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/03/12 07:00 |
| L4    | 108  | ("chip select" same (memory adj mapp\$2)) and @ad<"19980918"              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/03/12 11:01 |
| L5    | 485  | ("chip select" and (memory adj mapp\$2)) and @ad<"19980918"               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/03/12 14:08 |
| L6    | 377  | 5 not 4   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/03/12 11:01 |
| L7    | 14   | ("chip select" and (memory adj mapp\$2) with \$5known) and @ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/03/12 13:09 |
| L8    | 2    | "5448744".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/03/12 14:59 |
| L9    | 3    | ("chip select" and (memory adj mapp\$2).ti.) and @ad<"19980918"           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/03/12 13:09 |
| L10   | 120  | (generate with "chip select" and (memory adj mapp\$2)) and @ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/03/12 14:09 |

## EAST Search History

|     |      |   |   |    |    |                  |
|-----|------|---|---|----|----|------------------|
| L11 | 55   | (generate with "chip select" and (memory adj mapp\$2) with device) and @ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/12 14:11 |
| L12 | 120  | (address with "chip select" and (memory adj mapp\$2) with device) and @ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/12 14:11 |
| L13 | 2    | "5727005".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/12 14:19 |
| L15 | 1566 | miller-john\$.in.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/12 16:05 |
| L16 | 173  | miller-john-a\$.in.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/12 16:05 |
| L17 | 0    | miller-john-a\$.xp.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/12 16:06 |
| L18 | 164  | miller-john-a\$.xa.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/12 16:06 |
| L19 | 0    | (710/3059.ccls.) and @ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/12 16:36 |
| L20 | 374  | (710/305.ccls.) and @ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/12 16:37 |
| L21 | 72   | (710/309.ccls.) and @ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/12 16:37 |

## EAST Search History

|     |      |  |   |    |    |                  |
|-----|------|--|---|----|----|------------------|
| L22 | 344  | (710/113.ccls.) and @ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/12 16:37 |
| L23 | 559  | (710/107.ccls.) and @ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/12 16:37 |
| L24 | 129  | (710/119.ccls.) and @ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/12 16:37 |
| L25 | 61   | (710/242.ccls.) and @ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/12 16:37 |
| L26 | 304  | (709/251-253.ccls.) and @ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/12 16:37 |
| L27 | 451  | (709/225.ccls.) and @ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/12 16:37 |
| S1  | 1056 | ((free idle) with (convert conversion)) same (module device)) and @ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/25 07:17 |
| S2  | 4540 | ((free idle) with (packet token))) and @ad<"19980918"                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/25 07:42 |
| S3  | 30   | ("idle token") and @ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/25 07:17 |
| S4  | 125  | ((free idle) with (packet token) with change)) and @ad<"19980918"                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/25 07:43 |

## EAST Search History

|     |     |  |   |    |    |                  |
|-----|-----|--|---|----|----|------------------|
| S5  | 25  | (((((free idle) adj (packet token)) with change)) and @ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/25 10:24 |
| S6  | 0   | (710/126.ccls.) and @ad<"19980918"                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/25 10:24 |
| S7  | 369 | (710/305.ccls.) and @ad<"19980918"                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/25 10:25 |
| S8  | 72  | (710/309.ccls.) and @ad<"19980918"                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/25 10:29 |
| S9  | 152 | (710/241.ccls.) and @ad<"19980918"                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/25 10:36 |
| S10 | 342 | (710/113.ccls.) and @ad<"19980918"                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 14:23 |
| S11 | 545 | (710/107.ccls.) and @ad<"19980918"                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/25 10:42 |
| S12 | 447 | (709/225.ccls.) and @ad<"19980918"                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/25 10:48 |
| S13 | 150 | (709/251.ccls.) and @ad<"19980918"                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/25 10:54 |
| S14 | 47  | (709/252.ccls.) and @ad<"19980918"                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/25 10:56 |

## EAST Search History

|     |     |  |   |    |    |                  |
|-----|-----|--|---|----|----|------------------|
| S15 | 120 | (709/253.ccls.) and @ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/19 15:20 |
| S16 | 22  | US-5541932-\$.DID. OR<br>US-5481681-\$.DID. OR<br>US-5450547-\$.DID. OR<br>US-5375215-\$.DID. OR<br>US-4709364-\$.DID. OR<br>US-4669079-\$.DID. OR<br>US-4488232-\$.DID. OR<br>US-5754807-\$.DID. OR<br>US-0566417-\$.DID. OR<br>US-5627976-\$.DID. OR<br>US-5619661-\$.DID. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/19 13:38 |
| S17 | 23  | US-5541932-\$.DID. OR<br>US-5481681-\$.DID. OR<br>US-5450547-\$.DID. OR<br>US-5375215-\$.DID. OR<br>US-4709364-\$.DID. OR<br>US-4669079-\$.DID. OR<br>US-4488232-\$.DID. OR<br>US-5754807-\$.DID. OR<br>US-5664117-\$.DID. OR<br>US-5627976-\$.DID. OR<br>US-5619661-\$.DID. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/27 15:23 |
| S18 | 0   | wo8001421  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/19 13:50 |
| S19 | 10  | "8001421"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/19 13:50 |
| S20 | 771 | (bus same (arbiter arbitration) same packet) and @ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/24 07:20 |
| S21 | 404 | (bus with (arbiter arbitration) with packet) and @ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/19 14:00 |

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|     |     |  |   |    |    |                  |
|-----|-----|--|---|----|----|------------------|
| S22 | 0   | ((bus with (arbiter arbitration) with "dedicated packet") and @ad<"19980918"                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/26 09:04 |
| S23 | 1   | ((arbiter arbitration) with "dedicated packet") and @ad<"19980918"                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/10 08:34 |
| S24 | 2   | ((arbiter arbitration) same "dedicated packet") and @ad<"19980918"                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/12 06:58 |
| S25 | 7   | ((arbiter arbitration) same "grant packet") and @ad<"19980918"                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/19 14:07 |
| S26 | 20  | "4709364".URPN.  | USPAT   | OR | ON | 2004/05/19 14:03 |
| S27 | 87  | ((arbiter arbitration) with grant with packet) and @ad<"19980918"                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/19 14:10 |
| S28 | 49  | ((arbiter (arbitration adj (unit device))) with grant with packet) and @ad<"19980918"            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/19 14:11 |
| S29 | 63  | ((arbiter (arbitration adj (unit device))) with grant with (packet token)) and @ad<"19980918"    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/19 14:14 |
| S30 | 10  | ((arbiter (arbitration adj (unit device))) with (grant near3 (packet token))) and @ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/19 14:16 |
| S31 | 449 | ((arbiter (arbitration adj (unit device))) with (packet token)) and @ad<"19980918"               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/19 14:16 |

## EAST Search History

|     |     |   |   |    |    |                  |
|-----|-----|---|---|----|----|------------------|
| S32 | 142 | ((arbiter (arbitration adj (unit device))) near2 (packet token)) and @ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/19 14:20 |
| S33 | 96  | (reservation adj (packet token)) and @ad<"19980918"                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/19 14:23 |
| S34 | 60  | (grant adj (packet token)) and @ad<"19980918"                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/19 15:09 |
| S35 | 0   | (dedicateed adj (packet token)) and @ad<"19980918"                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/19 14:41 |
| S36 | 133 | (dedicated adj (packet token)) and @ad<"19980918"                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/19 14:50 |
| S37 | 396 | (710/113.ccls. 710/309.ccls.) and @ad<"19980918"                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/19 14:50 |
| S38 | 91  | ((710/113.ccls. 710/309.ccls.) and @ad<"19980918") and (packet token)               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/19 14:50 |
| S39 | 72  | (arbitration adj (packet token)) and @ad<"19980918"                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/19 15:18 |
| S40 | 38  | (token same "grant access") and @ad<"19980918"                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/20 14:44 |
| S41 | 1   | ("request access" same "send token") and @ad<"19980918"                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/19 15:56 |

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|     |     |   |   |    |    |                  |
|-----|-----|---|---|----|----|------------------|
| S42 | 46  | ("circulate token") and @ad<"19980918"                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/20 14:56 |
| S43 | 22  | ("arbitration token") and @ad<"19980918"                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/20 15:26 |
| S44 | 1   | ((non\$1destructive adj arbitration) with token) and @ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/20 15:14 |
| S45 | 51  | ("arbitration packet") and @ad<"19980918"                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/20 15:27 |
| S46 | 590 | ("access packet") and @ad<"19980918"                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/20 15:32 |
| S47 | 223 | ("access token") and @ad<"19980918"                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/20 15:36 |
| S48 | 12  | ((central\$4 with arbitrat\$3) same token) and @ad<"19980918"       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/20 16:01 |
| S49 | 2   | "5488693".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/20 15:53 |
| S50 | 18  | phelps.in: and pixelfusion  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/20 15:49 |
| S51 | 194 | ("request token") and @ad<"19980918"                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/20 16:07 |



## EAST Search History

|     |      |   |   |    |    |                  |
|-----|------|---|---|----|----|------------------|
| S52 | 0    | ("packet based arbitration") and @ad<"19980918"                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/20 16:11 |
| S53 | 0    | ("packet-based arbitration") and @ad<"19980918"                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/20 16:11 |
| S54 | 60   | ("packet arbitration") and @ad<"19980918"                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/20 16:12 |
| S55 | 1693 | (address with token) and @ad<"19980918"                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/24 07:20 |
| S56 | 305  | (addressed with token) and @ad<"19980918"                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/24 07:20 |
| S57 | 20   | ("addressed token") and @ad<"19980918"                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/24 07:49 |
| S58 | 79   | (usb with request) and @ad<"19980918"                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/24 08:10 |
| S59 | 13   | (usb with arbitrat\$3) and @ad<"19980918"                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/24 07:57 |
| S60 | 1    | (usb with "request access") and @ad<"19980918"                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/24 08:38 |
| S61 | 0    | ((((free idle) adj (token packet)) with (usb "1394"))) and @ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/24 08:38 |

## EAST Search History

|     |       |  |   |    |    |                  |
|-----|-------|--|---|----|----|------------------|
| S62 | 578   | ((free idle) adj (token packet))) and @ad<"19980918"                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/24 08:39 |
| S63 | 28    | ((free idle) adj (token packet)) with bus) and @ad<"19980918"                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/24 09:54 |
| S64 | 16920 | ((free idle) with (convert conversion))) and @ad<"19980918"                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/25 07:17 |
| S65 | 45    | ((packet token) with (free idle) with (convert conversion)) and @ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/24 09:56 |
| S66 | 9     | ((free idle) adj (packet token)) with (convert conversion)) and @ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/24 15:10 |
| S67 | 26    | (usb with "integrated circuit") and @ad<"19980918"                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/24 08:44 |
| S68 | 55    | pixelfusion  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/24 10:20 |
| S69 | 1     | (usb with "graphics processing") and @ad<"19980918"                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/24 10:24 |
| S70 | 28    | (usb with graphics) and @ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/24 10:39 |
| S71 | 1     | (usb with "video game") and @ad<"19980918"                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/24 10:40 |

## EAST Search History

|     |     |   |   |    |    |                  |
|-----|-----|---|---|----|----|------------------|
| S72 | 4   | (usb same "video game") and @ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/24 10:40 |
| S73 | 4   | ((((free idle) adj (packet token)) with (create)) and @ad<"19980918"                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/24 15:27 |
| S74 | 12  | ((((free idle) near (frame)) with (convert conversion)) and @ad<"19980918"            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/24 15:28 |
| S75 | 0   | (soc with usb) and @ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/19 15:20 |
| S76 | 1   | (soc same usb) and @ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/19 15:21 |
| S77 | 158 | (soc same "1394") and @ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/19 15:22 |
| S78 | 0   | (soc same firewire) and @ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/19 15:22 |
| S79 | 81  | (usb with chip) and @ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/24 07:34 |
| S80 | 159 | ((usb "1394" firewire) same (soc system-on-chip "system on chip")) and @ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/24 07:38 |
| S81 | 0   | ((usb "1394" firewire) and (system-on-chip "system on chip")) and @ad<"19980918"      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/24 07:38 |

## EAST Search History

|     |     |   |   |    |    |                  |
|-----|-----|---|---|----|----|------------------|
| S82 | 1   | ((usb "1394" firewire) and (system-on-a-chip "system on a chip")) and @ad<"19980918"              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/24 08:38 |
| S83 | 187 | ((usb "1394" firewire) and (system-on-a-chip "system on a chip"))                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/24 08:39 |
| S84 | 192 | ((usb "1394" firewire) with ("integrated circuit" integrated-circuit ic chip)) and @ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/24 09:44 |
| S85 | 31  | ((usb "1394" firewire) with ("internal bus")) and @ad<"19980918"                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/24 15:29 |
| S86 | 2   | "4709364".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/24 13:56 |
| S87 | 397 | (710/113.ccls. 710/309.ccls.) and @ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/25 06:37 |
| S88 | 0   | (710/126.ccls.) and @ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/25 06:37 |
| S89 | 369 | (710/305.ccls.) and @ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/25 06:37 |
| S90 | 72  | (710/309.ccls.) and @ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/25 06:37 |
| S91 | 153 | (710/241.ccls.) and @ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/25 06:37 |

## EAST Search History

|     |     |   |   |    |    |                  |
|-----|-----|---|---|----|----|------------------|
| S92 | 343 | (710/113.ccls.) and<br>@ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/25 06:37 |
| S93 | 545 | (710/107.ccls.) and<br>@ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/25 06:37 |
| S94 | 449 | (709/225.ccls.) and<br>@ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/25 06:37 |
| S95 | 151 | (709/251.ccls.) and<br>@ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/25 06:37 |
| S96 | 47  | (709/252.ccls.) and<br>@ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/25 06:37 |
| S97 | 120 | (709/253.ccls.) and<br>@ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/04 13:48 |
| S98 | 93  | ("5490146" "4628437" "5339269"<br>"5428753" "5452307" "5452443"<br>"5590290" "5604874" "5657458"<br>"5757806" "5774679" "5877770"<br>"5896515" "6047345" "6219735"<br>"6219735" "6266762" "5237670"<br>"5313594" "5444858" "5577229"<br>"5586299" "5243704" "4816826"<br>"6088752" "6141708" "5581713"<br>"5787095" "4378588" "4807116"<br>"4817091" "4837767" "4858234"<br>"5058006" "5276818" "5387784"<br>"5404464" "5455914" "5629950"<br>"5732244" "5745772" "5761724"<br>"5983303" "5991843" "6029223"<br>"6032231" "6088753" "6115756"<br>"6182176" "6256694").pn. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/25 12:38 |

## EAST Search History

|          |     |   |   |    |    |                  |
|----------|-----|---|---|----|----|------------------|
| S99      | 283 | (710/107.ccls. and storage) and @ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/04 14:49 |
| S10<br>0 | 10  | "8001421"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/04 14:15 |
| S10<br>1 | 25  | "5375215"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/04 14:15 |
| S10<br>2 | 2   | "5375215".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/04 14:15 |
| S10<br>3 | 187 | (soc same "integrated circuit") and @ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/04 14:56 |
| S10<br>4 | 35  | ((("system on a chip" "system on chip" system-on-a-chip system-on-chip) same "integrated circuit") and @ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/04 15:12 |
| S10<br>5 | 83  | ((("system on a chip" "system on chip" system-on-a-chip system-on-chip)) and @ad<"19980918"                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/04 15:29 |
| S10<br>6 | 82  | ((("shared memory" shared-memory) same ("graphics processor" graphics-processor)) and @ad<"19980918"                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 08:04 |
| S10<br>7 | 2   | ((("shared memory" shared-memory) same (game with console)) and @ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 08:06 |
| S10<br>8 | 20  | ((("shared memory" shared-memory) same (game)) and @ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 10:07 |

## EAST Search History

|          |     |  |   |    |    |                  |
|----------|-----|--|---|----|----|------------------|
| S10<br>9 | 94  | ((("shared memory"<br>shared-memory) same (queue<br>buffer fifo) same (id identification))<br>and @ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 10:14 |
| S11<br>0 | 51  | ((("shared memory"<br>shared-memory) same ((queue<br>buffer fifo) with (source))) and<br>@ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 10:22 |
| S11<br>1 | 3   | ((("shared memory"<br>shared-memory) same ((queue<br>buffer fifo) with (source with (id<br>identification)))) and<br>@ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 10:26 |
| S11<br>2 | 568 | ((("shared memory"<br>shared-memory) same ((queue<br>buffer fifo) same (read retrieve)))<br>and @ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 10:26 |
| S11<br>3 | 362 | ((("shared memory"<br>shared-memory) same ((queue<br>buffer fifo) with (read retrieve)))<br>and @ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 10:29 |
| S11<br>4 | 18  | ((("shared memory"<br>shared-memory) same source same<br>((queue buffer fifo) with (read<br>retrieve))) and @ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 11:09 |
| S11<br>5 | 148 | ((("shared memory"<br>shared-memory) same<br>(multiprocessor multi-processor<br>"multiple processor"<br>multiple-processor) same (queue<br>buffer fifo)) and @ad<"19980918"                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 11:28 |
| S11<br>6 | 1   | "4992930".PN.  | USPAT;<br>USOCR   | OR | ON | 2005/02/08 11:25 |
| S11<br>7 | 1   | "5023776".PN.  | USPAT;<br>USOCR   | OR | ON | 2005/02/08 11:25 |
| S11<br>8 | 1   | "5317726".PN.  | USPAT;<br>USOCR   | OR | ON | 2005/02/08 11:26 |
| S11<br>9 | 26  | ((("shared memory"<br>shared-memory) same<br>(multiprocessor multi-processor<br>"multiple processor"<br>multiple-processor) same (access<br>with (queue buffer fifo))) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 13:12 |

## EAST Search History

|          |     |   |   |    |    |                  |
|----------|-----|---|---|----|----|------------------|
| S12<br>0 | 2   | ((("shared memory"<br>shared-memory) same<br>(split-transaction "split transaction")<br>same (access with (queue buffer<br>fifo))) and @ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 13:13 |
| S12<br>1 | 4   | ((("shared memory"<br>shared-memory) same<br>(split-transaction "split transaction")<br>same ((queue buffer fifo))) and<br>@ad<"19980918"             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 13:17 |
| S12<br>2 | 9   | ((("shared memory"<br>shared-memory) same (read with<br>pending with (queue buffer fifo)))<br>and @ad<"19980918"                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 13:21 |
| S12<br>3 | 2   | "4669079".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 13:24 |
| S12<br>4 | 41  | "0048869"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 13:35 |
| S12<br>5 | 2   | "4709364".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 13:35 |
| S12<br>6 | 241 | (710/110.ccls.) and<br>@ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 14:34 |
| S12<br>7 | 369 | (710/305.ccls.) and<br>@ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 14:35 |
| S12<br>8 | 297 | (710/105.ccls.) and<br>@ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 14:35 |
| S12<br>9 | 160 | (710/310.ccls.) and<br>@ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 14:35 |



## EAST Search History

|          |      |  |   |    |    |                  |
|----------|------|--|---|----|----|------------------|
| S13<br>0 | 91   | (710/311.ccls.) and<br>@ad<"19980918"                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 14:35 |
| S13<br>1 | 154  | (710/74.ccls.) and<br>@ad<"19980918"                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 14:35 |
| S13<br>2 | 745  | (710/52.ccls.) and<br>@ad<"19980918"                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 14:35 |
| S13<br>3 | 157  | (710/53.ccls.) and<br>@ad<"19980918"                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 14:35 |
| S13<br>4 | 92   | (710/54.ccls.) and<br>@ad<"19980918"                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 14:36 |
| S13<br>5 | 326  | (709/213.ccls.) and<br>@ad<"19980918"                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 14:36 |
| S13<br>6 | 145  | (711/130.ccls.) and<br>@ad<"19980918"                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 14:36 |
| S13<br>7 | 443  | (711/147.ccls.) and<br>@ad<"19980918"                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 14:36 |
| S13<br>8 | 2902 | S126 S127 S128 S129 S130 S131<br>S132 S133 S134 S135 S136 S137 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 14:46 |
| S13<br>9 | 2    | "4669079".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/26 10:12 |

## EAST Search History

|          |     |  |   |    |    |                  |
|----------|-----|--|---|----|----|------------------|
| S14<br>0 | 2   | (710/119.ccls. and ("unit busy"<br>"device busy")) and<br>@ad<"19980918"           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/26 11:06 |
| S14<br>1 | 1   | "4038644".PN.  | USPAT;<br>USOCR   | OR | ON | 2005/04/26 09:15 |
| S14<br>2 | 0   | (710/119.ccls. and ("target busy"))<br>and @ad<"19980918"                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/26 09:43 |
| S14<br>3 | 19  | (710/119.ccls. and ("busy signal"))<br>and @ad<"19980918"                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/26 10:33 |
| S14<br>4 | 2   | "4709364".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/26 10:16 |
| S14<br>5 | 2   | "5375215".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/26 10:16 |
| S14<br>6 | 153 | ((("unit busy" "device busy") same<br>(store save)) and @ad<"19980918"             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/26 10:34 |
| S14<br>7 | 35  | ((("unit busy" "device busy") same<br>(store save) same bus) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/26 10:37 |
| S14<br>8 | 1   | (710/242.ccls. and ("unit busy"<br>"device busy")) and<br>@ad<"19980918"           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/26 11:07 |
| S14<br>9 | 18  | ("4326250").URPN.  | USPAT   | OR | ON | 2005/04/26 13:16 |
| S15<br>0 | 38  | ("4669079").URPN.  | USPAT   | OR | ON | 2005/04/27 08:35 |
| S15<br>1 | 1   | "5761516".pn.  | USPAT   | OR | ON | 2005/04/27 08:35 |

## EAST Search History

|          |     |  |   |    |    |                  |
|----------|-----|--|---|----|----|------------------|
| S20<br>4 | 2   | (710/119.ccls. and ("unit busy"<br>"device busy")) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/27 15:10 |
| S20<br>5 | 1   | (710/242.ccls. and ("unit busy"<br>"device busy")) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/27 15:18 |
| S20<br>6 | 0   | (710/126.ccls.) and<br>@ad<"19980918"                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/27 15:18 |
| S20<br>7 | 369 | (710/305.ccls.) and<br>@ad<"19980918"                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/27 15:18 |
| S20<br>8 | 72  | (710/309.ccls.) and<br>@ad<"19980918"                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/27 15:18 |
| S20<br>9 | 0   | (710/249.ccls.) and<br>@ad<"19980918"                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/27 15:18 |
| S21<br>0 | 343 | (710/113.ccls.) and<br>@ad<"19980918"                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/27 15:18 |
| S21<br>1 | 546 | (710/107.ccls.) and<br>@ad<"19980918"                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/27 15:18 |
| S21<br>2 | 152 | (709/251.ccls.) and<br>@ad<"19980918"                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/27 15:19 |
| S21<br>3 | 47  | (709/252.ccls.) and<br>@ad<"19980918"                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/27 15:19 |

## EAST Search History

|          |      |   |   |    |    |                  |
|----------|------|---|---|----|----|------------------|
| S21<br>4 | 120  | (709/253.ccls.) and<br>@ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/27 15:19 |
| S21<br>5 | 449  | (709/225.ccls.) and<br>@ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/27 15:19 |
| S21<br>6 | 93   | ("5490146" "4628437" "5339269"<br>"5428753" "5452307" "5452443"<br>"5590290" "5604874" "5657458"<br>"5757806" "5774679" "5877770"<br>"5896515" "6047345" "6219735"<br>"6219735" "6266762" "5237670"<br>"5313594" "5444858" "5577229"<br>"5586299" "5243704" "4816826"<br>"6088752" "6141708" "5581713"<br>"5787095" "4378588" "4807116"<br>"4817091" "4837767" "4858234"<br>"5058006" "5276818" "5387784"<br>"5404464" "5455914" "5629950"<br>"5732244" "5745772" "5761724"<br>"5983303" "5991843" "6029223"<br>"6032231" "6088753" "6115756"<br>"6182176" "6256694").pn. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/27 15:23 |
| S21<br>7 | 1242 | (memory adj (map mapped) with<br>device) and @ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/10 08:35 |
| S21<br>8 | 93   | (memory adj (map mapped) with<br>device same known) and<br>@ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/10 09:23 |
| S21<br>9 | 31   | US-5400334-\$.DID. OR<br>US-5912710-\$.DID. OR<br>US-5986644-\$.DID. OR<br>US-6232932-\$.DID. OR<br>US-5541932-\$.DID. OR<br>US-5481681-\$.DID. OR<br>US-5450547-\$.DID. OR<br>US-5375215-\$.DID. OR<br>US-4709364-\$.DID. OR<br>US-4669079-\$.DID. OR<br>US-4488232-\$.DID. OR<br>US-5754807-\$.DID. OR<br>US-5664117-\$.DID. OR<br>US-5627976-\$.DID. OR<br>US-5619661-\$.DID.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/10 09:32 |

## EAST Search History

|          |     |                                       |   |    |    |                  |
|----------|-----|---------------------------------------|---|----|----|------------------|
| S22<br>0 | 9   | simcoe.in. and busy                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/10 09:32 |
| S22<br>1 | 370 | (710/305.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/10 09:35 |
| S22<br>2 | 297 | (710/105.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/10 09:35 |
| S22<br>3 | 160 | (710/310.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/10 09:35 |
| S22<br>4 | 91  | (710/311.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/10 09:35 |
| S22<br>5 | 154 | (710/74.ccls.) and<br>@ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/10 09:35 |
| S22<br>6 | 745 | (710/52.ccls.) and<br>@ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/10 09:35 |
| S22<br>7 | 157 | (710/53.ccls.) and<br>@ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/10 09:35 |
| S22<br>8 | 92  | (710/54.ccls.) and<br>@ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/10 09:35 |
| S22<br>9 | 327 | (709/213.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/10 09:35 |

## EAST Search History

|          |     |                                       |   |    |    |                  |
|----------|-----|---------------------------------------|---|----|----|------------------|
| S23<br>0 | 146 | (711/130.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/10 09:35 |
| S23<br>1 | 444 | (711/147.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/10 09:36 |
| S23<br>2 | 72  | (710/309.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/10 09:36 |
| S23<br>3 | 343 | (710/113.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/10 09:36 |
| S23<br>4 | 548 | (710/107.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/10 09:37 |
| S23<br>5 | 152 | (709/251.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/10 09:37 |
| S23<br>6 | 47  | (709/252.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/10 09:37 |
| S23<br>7 | 120 | (709/253.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/10 09:37 |
| S23<br>8 | 451 | (709/225.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/10 09:37 |
| S23<br>9 | 72  | (710/309.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/10 09:37 |

## EAST Search History

|          |     |                                       |   |    |    |                  |
|----------|-----|---------------------------------------|---|----|----|------------------|
| S24<br>0 | 153 | (710/241.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/10 09:37 |
| S24<br>1 | 373 | (710/305.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/07 13:59 |
| S24<br>2 | 72  | (710/309.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/12 16:36 |
| S24<br>3 | 344 | (710/113.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/07 13:59 |
| S24<br>4 | 559 | (710/107.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/07 13:59 |
| S24<br>5 | 129 | (710/119.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/07 13:59 |
| S24<br>6 | 61  | (710/242.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/07 13:59 |
| S24<br>7 | 152 | (709/251.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/07 13:59 |
| S24<br>8 | 47  | (709/252.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/07 14:00 |
| S24<br>9 | 120 | (709/253.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/07 14:00 |

## EAST Search History

|          |     |                                       |   |    |    |                  |
|----------|-----|---------------------------------------|---|----|----|------------------|
| S25<br>0 | 451 | (709/225.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/07 14:00 |
|----------|-----|---------------------------------------|---|----|----|------------------|